

Retreatment of Irradiated Fuels. Safety Calculations for Neutron and Gamma Radiation, by F. Servais.

FRENCH, rpt, Societe Belge pour l'industrie Nucleaire 35, Rue Des Colonies, Bruxelles 1.
P911200368-V
AEC-ANL-Trans-618

Sci-Phys
Aug 68

357,443

Braconier, F. F. A. and Bihan, H. Le.
PREPARATION OF VINYL CHLORIDE: DESCRIPTIVE MEMORANDUM. [1961] 13p.
Order from SLA \$1.60

62-10613

Trans. of mono. descriptive memorandum filed in support of an application for a patent by Societe Belge de l'Azote et des Produits Chimiques du Marly (Priority: British application from 18 Dec 59).

DESCRIPTORS: *Vinyl chlorides, Synthesis, Acetylenes, Ethylenes, Hydrocarbons, Pyrolysis, Plastics.

(Chemistry--Organic, TT, v. 8, no. 7)

62-10613

I. Braconier, F. F. A.
II. Bihan, H. le
III. Title: Societe ...

Office of Technical Services

62-32041

USE OF PLUTONIUM AS FUEL IN NUCLEAR RE-
ACTORS. Quarterly rept. no. 1, 15 July-15 60, on
Contract 027-60-7 RDB. [1962] 83p. Supersedes
TID-11 859.

Order from OTS or SLA \$8.10 EURAEC-22

Trans. of a rept. from Societe Belge pour l'Industrie
Nucleaire, Brussels and Centre d'Etude de l'Energie
Nucleaire, Brussels (Belgium) n.d.

DESCRIPTORS: Nuclear reactors, *Reactor fuels,
Reactor materials, *Plutonium, Chemistry, Process-
ing, *Ceramic materials, Physical properties, Thermal
expansion, Mechanical properties, Oxides, Carbides,
Alloys, Reactor fuel processing.

(Nuclear Physics--Nuclear Engineering, TT, v. 9,
no. 3)

- I. TID-11 859 superseded
- II. EURAEC-22
- III. EURATOM (Belgium)

Office of Technical Services

62-32033

- I. EURAFC-80
- II. EURATOM (Belgium)

USE OF PLUTONIUM AS FUEL IN NUCLEAR RE-
ACTORS. Quarterly rept. no. 3, 1 Jan-31 Mar 61, on
Contract 027-60-7 RDB. [1962]61p.
Order from OTS or SLA \$6.60

EURAFC-80

Trans. of a rept. from Société Belge pour l'Industrie
Nucléaire, Brussels, Apr 61.

DESCRIPTORS: Nuclear reactors, *Reactor fuels, Re-
actor materials, *Plutonium, Plutonium compounds,
Uranium compounds, Dioxides, *Ceramic materials,
Carbides, Processing, Physical properties, Mechanical
properties, Zirconium alloys, Niobium alloys, Alloys,
Metallurgy, Reactor fuel processing.

(See also EURAEC-22)

(Nuclear Physics--Nuclear Engineering, TT, v. 9,
no. 3)

Office of Technical Services

Billiau, R., Jonckheere, E. and others.
 USE OF PLUTONIUM AS FUEL IN NUCLEAR RE-
 ACTORS [AND] RESEARCH ON COVERING URANIUM-
 CONTENT CERAMIC PARTICLES BY MEANS OF ME-
 TALLIC NIOBIUM. Quarterly rept. no. 6, 1 Oct-
 31 Dec 61 and appendix (summary of quarterly repts.
 1-2, for period 15 July-31 Dec [60]) on
 Contract 027-60-7 RDB. [1962] 58p.
 Order from OTS or SLA \$5.60

EURAEC-227

Trans. of a rept. (including appendix) from Société
 Belge pour l'Industrie Nucléaire, Brussels, Jan 62.

DESCRIPTORS: *Nuclear reactors, *Reactor fuels,
 *Plutonium, *Ceramic materials, Particles, *Niobium,
 *Metal coatings, Chemical analysis, *Uranium, Pluto-
 nium compounds, Oxides, Reactor fuel processing,
 Physical properties, Mechanical properties.

(Nuclear Physics--Nuclear Engineering, TT, v. 10,
 no. 3)

63-15063

- I. Billiau, R.
- II. Jonckheere, E.
- III. Title: Research ...
- IV. EURAEC-227
- V. EURATOM (Belgium)

Office of Technical Services

USE OF PLUTONIUM AS FUEL IN NUCLEAR REACTORS (IRRADIATION). Quarterly rept. 1 (Irradiation) for 1 Dec-31 Dec 61, on Contract 078-61-12 RDB. [1962] 20p.

Order from OTS or SLA \$1.60

EURABC-237

Trans. of a rept. from Société Belge pour l'Industrie Nucléaire, Brussels, Jan 62.

DESCRIPTORS: *Plutonium, *Reactor fuels, *Fuel elements, *Nuclear reactors, Ceramic materials, Sintering, Pipes, Reactor fuel processing, Thermodynamics, Laboratory equipment, Tests.

This report describes the principle of the techniques and characteristics of different apparatus. The study and perfecting of which have been the object of research during the decade mentioned. Topics include: (1) Study and perfecting of an apparatus for the out-of-pile (Nuclear Physics--Nuclear Engineering, TT, v. 10, no. 3) (over)

63-15062

- I. EURABC-237
- II. EURATOM (Belgium)

Office of Technical Services

Determination of the Doppler Effect of Fission
Elements in Fast Reactors, by A. Ancarani,
E. A. Fossoul.

FRENCH, rpt, Societe Belge Pour L'Industrie
Nucleaire, Brussels, Jan 1964. P911078064-V
AEC BURINA-90F

Sci/Nuclear Sci
Nov 66

311,509

~~INTERSTITIAL~~
Interstitial Neuritis, Hypertrophic and Progressive,
of Children, by J. Dejerine, J. Sottas, 21 pp.

FRENCH, par, Societe de Biologie, Vol XLV, 1893,
pp 63-96.

WTH 3-32

Sci - Med

Apr 59

85,431

Persistence in Loco and Reactivation of Attenuated Anthrax Spores, by H. Velu, G. Zottner, 2 pp. UNCL

FRENCH, per, Societe de Biologie, Vol CXXII, 1936, pp 256, 257.

ACSI H-8239
ID 2158103

Sci - Med
Apr 61

Partially Reversible Inactivation, By H_2Cl_2
of the Virus Called "Tobacco Necrosis", 5pp.
FRENCH, per, Societe de Biologie et de ses
Filiales, Vol 127, 1938, pp 1464-1467.
CFSTI TT-64-18994.

321,694

Sci - Chemistry
Mar 67

Experimental Progressive Biliary Obstruction.
No.1, Output and Pressure, by Francois Besancon.
FRENCH, per, Soc de Biol et ses Fil, Comptes
Rendus des Seances, 1960, Vol.154, No.3,
pp.564-566.
SIA-TT-64-18998

B/M
Aug 66

303,677

Experimental Progressive Biliary Obstruction
II. Preferential Excretion of Bilirubin with
Respect to Bromsulphonphthalein, by Francois
Besancon and Marcel Mouvier.

FRENCH, per, Soc de Biol et ses Fil, Comptes
Rehdus des Seances, 1960, Vol.154, No.3,
pp.567-570.
SIA-TT-64-18997

B/M
AUG 66

308,678

per

Occurrence of Autogametes at a Breeding Station of
Culex pipiens Barbericus Roubaud, by, Rioux, J.A.,
et al.
FRENCH, per, Comptes Rendus, Vol. 155, No. 2.
pp. 343-344, 1961.
HEW 2-13-65

WEur-France
Sci-M/B
Mar 65

275,775

Distribution and Fate of Pb-86 in Inbred Wistar
Rats, by H. Mabilie, et al.

FRENCH, par, Societe de Biologie et de ses
Filiales. Comptes des Seances, Vol 155, 1961,
pp 561-565.

NTC 71-13778-06R

Feb 72

Study of the Salicylism of the Dog After
Ingestion of Ordinary or Silicone Acetylsalicy-
lic Acid, by O. Blanpin.

FRENCH, per, Societe de Biologie et de ses
Filiales, Comptes Rendus des Seances,
Vol 157, 1963, pp 631-634.

CFSTI TC-1351

Sci-B&M
June 66

303,848

Lambert, R., Martin, F., and Hallacq, A.
ACTION OF MONOAMINOXIDASE INHIBITORS ON
GASTRIC SECRETION STIMULATED BY RESERPINE
IN MAN (Action des Inhibiteurs de la Monoamineoxydase
sur la Secretion Gastrique Stimulee par la Reserpine
chez l'Homme). 5p 5refs.

Order from SLA \$1.10

TT-64-16859

Trans. of Societe de Biologie et de ses Filiales.
C[omptes] R[endus des Seances] (France) 1963, v. 157
[no. 4] p. 826-830.

(Biological Sciences--Pharmacology, TT, v. 12, no. 5)

TT-64-16859

I. Lambert, R.
II. Martin, F.
III. Hallacq, A.

Office of Technical Services

Psychopharmacology of Imipramine Studied by Means
of "Group Toxicity", by C. Drudi-Baracco,
B. N. Halpern, et al. 7 pp.
FRENCH, per, Societe de Biologie et des ses
Filiales. Comptes Rendus des Senance (France).
Vol 157, No 6, 1963, pp 1236-1240.
SLA TT-64-16351

Sci/B&M
Jul 66

305,947

Investigation of a Method of Evaluation of the Quantity of Sleep. I. Influence of the Deprivation of Sleep Upon Various Quantitative Expressions of the Spontaneous Motility of the Sleeper, by G. Schaff, G. Martach.

FRENCH, per, Societe de Biologie de Strasbourg,
16 Jan 1960, pp 202-206.

NIH 4-28-63

Sci - Biol/Med Sci

Jul 63

238,079

Synergistic Action Between the Derivatives
of Chlorogenic Acid and 3-Indolacetic Acid,
by J. P. Hirsch, C. Hirsch, 8 pp.
FRENCH, Bulletin, Societe Botanique de
France, Vol 106, No 9, 1959, pp 414-417.
SIA TT-66-10219

324, 347

Sci - Chemistry
Apr 67

Synergistic Action of the Auxins and of
Tomato Sap on the Growth of Vegetative
Tissues Cultivated in Vitro, by J. P.
Nitsch, C. Nitsch, 26 pp.
FRENCH, Bulletin, Societe Botanique de
France, Vol 102, No 9, 1955, pp 519-527.
SIA TT-66-10221

324,348

Sci - Biol & Med
Access 67

Investigation of the Nature of the Antianemic
Factor of Liver Effective in Lead Anemia of Rabbits,
by M. Lourau, 6 pp.

FRENCH, par, Société de Chimie Biologique, Vol XXV,
No 4-6, 1943, pp 138-144.

SLA 60-10600

Sci -
Jun 60
Vol III, No 5

119,085

Effect of Bile Salts on Certain Grain-Positive Protein
Complexes, by Jacques Panijel, 21 pp.

FRENCH, per, Societe de Chimie Biologique, Vol XXX,
No 5/6, 1948, pp 336-346.

SLA 60-10640

119,086

Sci -
Jun 60
Vol III, No 5

Title Unknown,
FRENCH, per, Societe de Chemie Biologique,
Vol XXXII, 1950, pp 228-233.
*NASA TT-F-10885

Apr 67

Method for Purification of Lecithins
(Phosphatidylcholines, by M. Feure, 7 pp.

FRENCH, par, Societe de Chimie Biologique,
Vol XXXII, No 7/8, 1950, pp 503-508.

SIA 60-10638

Sci -
Jun 60
Vol III, No 5

119,084

Enzymic Hydrolysis of Triglycerides, by Pierre Desmuelle,
14 pp.

FRENCH, par, Societe de Chimie Biologique, Vol XXXIII,
No 8, 1951, pp 909-923.

SLA 60-10636

Sci -
Jun 60
Vol III, No 5

119,083

DESMET, J. and CLERC, M. (1965)
ON THE METABOLISM OF NICOTINE IN THE
LIVER OF THE CARP AND IN THE RAT. *Arch. Biochem. Biophys.* 102, 1-10.
Order from C-1522, 10

Trans. of Société de Chimie Biologique. Bull[etin]
(France) 1965, 11, 5, 1693-1705.

DESCRIPTORS: "Nicotine, Metabolism, Carp, Rat,
Rabbits, Rats.

17-1735

1. 17-1735
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4. 17-1735
5. 17-1735
6. 17-1735
7. 17-1735
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9. 17-1735
10. 17-1735

(Biological Sciences--Biochemistry, IT, v. 8, no. 8)

Office of Technical Services

Jutisz, Marian, Theoleyre, Madeleine, Colonge, Andree, and Courrier, Robert.
NEW METHOD FOR EXTRACTING HUMAN MENOPAUSAL URINARY GONADOTROPIN (Nouvelle Methode d'Extraction de la Gonadotropine Urinaire Humaine de Menopause). [11p] 21 refs.
Order from SLA \$1.60

TT-64-16935

Trans. of Soc[iete de] Chimie] Biol[ogique]. Bull[etin] (France) 1962, v. 44 [no. 1] p. 83-90.

(Biological Sciences--Biochemistry, TT, v. 12, no. 5)

TT-64-16935

I. Jutisz, M.
II. Theoleyre, M.
III. Colonge, A.
IV. Courrier, R.

Office of Technical Services

Synthesis of an Isomer and of a Homologue
of Ephedrine, by E.ourness, D. Benoit,
M. R. Firmanich, 11p.

FRANCE, per, Revue Chimique de France,
Bulletin, Vol 47, 1930, pp 894-904.

SLA TT-64-20834

333, 826

Se1

Jul 67

Studies on the Mechanism of the Condensation
Reaction of Fthalic Anhydride and
Glycerine, by J. Savard, S. Diner, 33p.
FRENCH, per, Societe Chimique de France.
Bulletin, Vol 51, 1932, pp 597-615.
SLA TT-64-30620

333, 852

Sci
Aug 67

Oxidation of Cyclohexene Hydrocarbons,
by Charles Faguet, 5p.
FRENCH, par, Société Chimique de France.
Bulletin, Vol 8, 1941, pp 695-699.
SLA 11-64-20891

333, 146

Sci
Aug 67

Structure of the Acyloins and their Ethers,
by Robert Jacquier, 1^{er}.
FRENCH, par, Societe Chimique de France.
Bulletin, 1950, pp 183-192.
SIA TT-64-20814

333, 321

Sci

Jul 67

70-13570-07C

Hinnen, A.; Dreux, J.

PREPARATION AND STUDY OF 2,2,4,6-TETRAMETHYL-
4-PYRAN. Societe Chimique de France. Bulletin, p. 1492-
1498, 1964.

Order from NTC as 70-13570-07C: HC \$ 8.50, MF \$ 6.10.

Thermogravimetric Study of Orthoboric
Acid, H_3BO_3 . 1. Dehydration as Influenced
by the Following Factors: Rate of
Heating; Degree of Fineness and Thickness
of Substance; Dry or Humid Gas Atmos-
phere, by Jean Haladjian, Georges
Carpeni, 15p.

FRENCH, per, Societe Chimique de France.
Bulletin, 1955, pp 1679-1682.
OTS AB-609 162

Sci
Aug 67

336, 190

Studies on the Isohydric Point. XIX:
The Hydrated Germanium Oxides $\text{GeO}_2 \cdot x\text{H}_2\text{O.aq.}$
(Preparation, Thermogravimetry, X-Rays),
by A. Pietri, J. Baladjian, G. Parinet,
G. Carpent, 20 pp.
FRENCH, per, Societe Chimique de France.
Bulletin, 1968, pp 1909-1914.
OTS AB-609,163

336, 210

Sci
Aug 67

R-5700-D
12 Aug 65

Sur les composés formés par la thiorine avec les
oxydes de métaux tétravalents

By: P. Jorba, et al

From: Société Chimique de France Bulletin, Jan-June
1961 pp 79-81

French - est. for wds:

Type one camera ready copy, but do not paste in or
leave space for graph drawing or pictures. Place
captions at end for figures.

Do include formulas. Reproduce for paste-up.

Observations Concerning the Action of Light
on Compounds of Columbium, by F. Villemaine.
FRENCH, rpt, Societe Chimique de France.
Bulletin, 1961, pp 828-830.
NTC-70-13164-07B

Feb 72

Investigation of Polymerizations in Adsorbed Layers. 1.,
by A. Blumstein.

FRENCH, per, Societe Chimique de France. Bulletin.,
1961, pp 899-914
CSIRO/ No. 6819

Sci -
July 1967

334-452

On the Dissociation of Methane at High
Temperatures and at Various Pressures,
by Fr. De Rudder, H. Biedermann.
FRENCH, per, Societe Chimique de France,
Bulletin, Ser IV, Vol XLVII, Partial Trans
p 709-712, 721-730.
SLA TT 64-20070

Apr 67

323,035

Gas Chromatography in the Investigation of
Plasticizers, by J. Zulaica, 18 pp.
FRENCH, per, Societe Chimique de France, No 7,
1962, pp 1294-1301.
ARM/RSIC-Tr-919-69
GOVERNMENT USE ONLY

Sci/Chem
June 69

383,317

Auto-Oxidation of Alkaline Alcoholates, III. On the
Formation of Alkaline Superoxides, by Andre Le Berre,
Pierre Goasguen, 32 pp.
FRENCH, per, Societe Chimique de France, Jul-Dec 1962,
pp 1682-1688.
~~NAVY~~
Navy 3973/NRL 996

Sci-Chem
Feb 65

274,175

Study of the Combustion of Hydrogen and Methane in
Air by a New Method, by F. Cabannes.
FRENCH, per, Societe Chimique de France (Bulletin)
pp. 166-169, 1962.
NTC 71-11124-21B

Aug 71

**Kinetics and Equilibrium of Isomerization
of Cyclohexene and Methylcyclopentenes,
by Raymond Maurel, Louis Bassery,
Jean-Eugene Germain, 16p.
RESEARCH, par, Societe Chimique de France
Bulletin, No 8/9, 1962, pp 1688-1694.
SLA TR-65-10201**



333, 837

Sci
Aug 67

Agency: Air Force

P.O. #: ARL 72-0001 72-011

4/12/02
15820 13

Title: Preparation par reaction a l'etat solide
et principales proprietes des oxy-
nitrides d'aluminium.

Author: Lefus, Anne-Marie

Source: Soc. Chim. de Fr. Bull. No.11-12, 1962.
pages 2123-2126.

Language: French to English.

Special Instructions: Please translate and
type one copy.

The Mechanism of Stereospecific Polymerization by the Transition Metals, by
Francois Dawans, Philippe Teyssie,
36p.

FRANCE, per, Societe Chimique de France.

Bulletin, No 10, 1963, pp 2376-2382.

SLA TT-65-10200

333, 810

Sci
Jul 67

Voltolysis of Cyclohexane in Liquid
Phase, by H. Gruseck-Lutz.
FRENCH, par, Societe Chimique de France,
Nol 1, 1964, pp 19-22.
SLA TR-66-10817

331, 517

Sci - Chem
Jul 67

Kinetic Characterization of Hydrocracking Catalysts. Pt II Kinetics of Hydrocracking of Ethylbenzene, by Claude Clement, Roger Montarnal, 29p.

FRENCH, par, Societe Chimique de France.

Bulletin, No 2, 1964, pp 334-348.

SLA TR-65-10167

361 67

333, 808

Properties of the Resin Amino Diacetate Dowex A-1,
by R. Rosset, 26 p.
FRENCH, per, Societe Chimique de France, Bulletin,
No 8, 1964, pp 1845-1852.
IICH-8692

Sci-M&M
Jun 66

304,140

Study of the Prins Reaction. IX. Descriptive
Study of the 1-Butene-Formaldehyde, 2-Butene-
Formaldehydes and Butadiene-Formaldehyde S
System, by M. Hellin, M. Davidson.
FRENCE, per, Societe Chimique de France
Bulletin, No 11, 1964, pp 2974-2986.
SIA TT-66-10654

Sci-Chem
Jul 66

305,535

Thorium Nitrate, by M. Ed. Chauvenet,
M. Souteyrand Franck, 6 pp.

FRENCH, par. Societe Chimique Mendeleev,
No 80, 1930, pp 1128-1131. 2893415
9066945

ABC Tr-5274

Sci - Chem
Oct 62

212, 681

Bonfiglioli, G., Ferrol, A., and Montalanti, G.
THEORY OF MELTING METALS. [1963] [15p]
11 refs

Order from SLA \$1.60

TT-64-10456

Trans. of mono. [Société de Chimie Physique. 2einc
Reunion Annuelle. Comptes Rendus] Paris, 1952,
Changement de Phases, p. 348-354.

DESCRIPTORS: Metals, Melting, Kinetic theory, Phase
studies, Crystal lattices, Thermal expansion,
*Liquid metals, *Metallic crystals.

(Physics--Solid State, TT, v. 11, no. 10)

TT-64-10456

I. Bonfiglioli, G.
II. Ferrol, A.
III. Montalanti, G.
IV. Title: Changement ...

Office of Technical Services

B.
A. Large External Spring; 1 Stretcher-Cradle for
Immobilization and Transport; C. Stretcher-Cradle
for Immobilization and Transport of Grave Multiple
Fracture Cases, by M. H. Roujailois, 6 pp, (ID 2037102).

FRENCH, Societe de Chirurgie, 25 Apr 1923, 17 Mar 1924.

ACS, I, G-8453

France - WEur

Medicine

Mar 57 CTS/DEX

45, 553

Society for Study of Reaction Propulsion, 11 pp.

FRENCH, charts, Societe D'Etude de la Propulsion
par Reaction, date unknown, 9 pp.

CIA 645320

ATIC F-TS-9668/v

Sci - Aero
Mar 59

82, 856

Society for the Study of Reaction Propulsion,
30 pp.

FRENCH, rpt, Societe D'Etude de la Propulsion par
Reaction, Villejuif Research Center, Jan 1958, 33pp

CIA 645319

ATC 7-23-9463/v

Sci - Aero
Apr 59

85, 016

€2-320²₃

COMPILATION OF THE LEADING EUROPEAN
PRODUCERS OF ALUMINIUM, ALUMINIUM ALLOYS,
ZIRCONIUM AND ZIRCALLOY. Special rept. no. 2.
Mar 61, 39p.

Order from OTS or SLA \$3.60

EURAE-32

Trans. of rept. from Société d'Etudes, de Recherches
et d'Applications pour l'Industrie, Brussels (Belgium).

DESCRIPTORS: *Aluminum, *Aluminum alloys,
*Zirconium, Production, Europe

(Metallurgy, TT, v. 8, no. 7)

I. EURAE 32
II. EURATOM (Belgium)

Office of Technical Services

62-24603

LIST OF THE PRINCIPLE EUROPEAN PRODUCERS
OF STAINLESS STEELS. Special rept. no. 1 on
Contract EUR/C/355/1/60f. [1962] 56p.
Order from OTS or SLA \$5.60

EURAE-31

Trans. of a rept. from Societe d'Etudes, de Recherches
et d'Applications pour l'Industrie, Brussels (Belgium)
Jan 61.

DESCRIPTORS: *Stainless steel, Production, Industry,
Europe, *Steel industry.

(Metallurgy--Ferrous Metals, TT, v. 9, no. 4)

- I. Title: European . . .
- II. EURAE-31
- III. EURATOM (Belgium)

Office of Technical Services

63-15842

COATING OF URANIFEROUS CERAMIC PARTICLES
WITH NIOBIUM METAL. Quarterly rept. no. 4,
Apr-30 June 62, on Contract 066-61-7 RDB. [1963]
[34]p. 5 refs.
Order from OTS or SLA \$3.60 EURAEC-409

- I. EURAEC-409
- II. European Atomic Energy
Community, Brussels
(Belgium)

Trans. of a rept. from Société d'Études, de Recherches
et d'Applications pour l'Industrie, Brussels (Belgium)
July 62.

DESCRIPTORS: Metals, *Niobium, Particles, *Ceramic
materials, Coatings, Metal coatings, *Uranium com-
pounds, Oxides, Fluidized solids, X-rays.

Topics include: Coating of the UO_2 particles; charac-
teristics of the coating processes and results of investi-
gations on the coated particles; efficiency tests of a
Delbag filter in connection with uranous oxide dust pro-
(Nuclear Physics--Nuclear Engineering, TT, v. 10,
no. 9)
(over)

Office of Technical Services

Occupational Rehabilitation of the Tuberculous
Patient, by A. Maccagno, 8 pp.

ITALIAN, per, Soc Editrice Universo, 1950, p 199.

SLA Tr 2612

Sci - Medicine
Jan 58

57, 315

Permissible Performance Limits of the Fuel Elements
in Graphite-CO₂ Reactors, by A. Garvenet, N.
Salesse, 22 pp.

FRENCH, rpt, Societe Europeenne d'Energie Atomique
Cannes, October 8-12, 1962, 9406080.

ABC Tr 5610

Sci - Chem

230,672

May 63

63-15632

- I. EURAEC-341
- II. European Atomic Energy
Community, Brussels
(Belgium)

PRESENT STATUS OF OUR KNOWLEDGE OF TEM-
PER BRITTLENESS. Special technical rept. no. 1,
1 Jan-31 Mar 62, on Contract 073-61-12 RDP. [1962]
41p. 30 refs.
Order from OTS or SLA \$4.60 EURAEC-341

Trans. of a rept. from Societe des Forges et Ateliers
du Creusot [Paris] (France) n.d.

DESCRIPTORS: *Steel, *Brittleness, Heat treatment,
Dynamics, Microstructure, Impurities, Alloys,
Transition temperature.

An analysis of the data in technical literature on revers-
ible temper brittleness, confined to studies employing
conventional laboratory methods.
(See also EURAEC-340)

(Metallurgy--Ferrous Metals, TT, v. 10, no. 5)

Office of Technical Services

Pile KI No 3, Motte No 1, Notice Descriptive de
Fonctionnement et d'Entretien,

FRENCH, per, Societe des Forges et Alelires du
Creusot, 24 Feb 1959.

*ABC

Sci
Aug 61
List 56

Totot, M. and Roques, C.
CONSTRUCTION OF A BED FOR CHARGING STEELS
WITH HYDROGEN BY ELECTROLYTIC MEANS.
Special Technical rept. no. 4, 1 Jan 61-31 Mar 62, on
Contract 073-61-12-RDF. [1962] 20p. 6 refs.
Order from OTS or SLA \$2.60 EURAEC-344

Trans. of a rept. from Société des Forges et Ateliers
du Creusot-Paris (France) n. d.

DESCRIPTORS: *Steel, Hydrogen, Hydrogen embrittle-
ment, Laboratory equipment, Electrolytic cells,
Annealing, Failure (Mechanics), *Electrolytic polishing,
Electrolytes.

An apparatus is described which was constructed with
a view to carrying out systematic studies on the
weakening influence of hydrogen, introduced in protonic
form by electrolytic means. (See also EURAEC-343)
(Metallurgy, TT, v. 10, no. 5)

63-15635

- I. Totot, M.
- II. Roques, C.
- III. EURAEC-344
- IV. European Atomic
Energy Community,
Brussels (Belgium)

Office of Technical Services

63-15633

- I. Roques, C.
- II. EURAEC-340
- III. European Atomic Energy
Community, Brussels
(Belgium)

Office of Technical Services

Roques, C.
BASIC STUDY OF SOME FORMS OF BRITTLENESS
AFFECTING WELDED JOINTS IN HIGH-RESISTANCE
STEEL. Quarterly rept. no. 1, 1 Jan-31 Mar 62, on
Contract 073-61-12 RDF. [1962] 9p.
Order from OTS or SLA \$1.10 EURAEC-340

Trans. of a rept. from Société des Forges et Ateliers
du Creusot (Paris) (France) n.d.

DESCRIPTORS: *Steel, Brittleness, *Welds, Metal-
lurgy, Casting.

A preliminary report concerning the mode of approach
and the materials to be employed in the proposed
studies. Experimental data is given on the influence of
refining elements on obtaining desired casting composi-
tions.

(Metallurgy--Ferrous Metals, TT, v. 10, no. 5)

63-15076

APPARATUS FOR HIGH-TEMPERATURE MICRO-
GRAPHIC EXAMINATIONS. Special Technical rept.
no. 2, 1 Jan-31 Mar 62, on Contract 073-61-12 RDF.
[1962] 21p. 5 refs.
Order from OTS or SLA \$2.60 EURAEC-342

Trans. of a rept. from Société des Forges et Ateliers
du Creusot [Paris] (France) n.d.

DESCRIPTORS: *High-temperature research, *Steel,
Austenite, Recrystallization, Transformations, *Phase
studies, *Microscopes, Design, Operation,
*Metallography.

(Metallurgy--Ferrous Metals, TT, v. 10, no. 6)

- I. EURAEC-342
- II. European Atomic Energy
Community, Brussels
(Belgium)

Office of Technical Services

63-15636

- I. Toitot, M.
- II. Roques, C.
- III. EURAEC-343
- IV. European Atomic Energy
Community, Brussels
(Belgium)

Toitot, M. and Roques, C.
DEVELOPMENT OF A MAGNETO-THERMODYNAMIC
APPARATUS FOR THE STUDY OF MARTENSITIC
TRANSFORMATIONS. Special Technical rept. no. 3,
1 Jan-31 Mar 62, on Contract 073-61-12 RDF. [1962]
23p.

Order from OTS or SLA \$2.60 EURAEC-343

Trans. of a rept. from Société des Forges et Ateliers
du Creusot [Paris] (France) n.d.

DESCRIPTORS: Laboratory equipment, Transition
temperature, Decomposition, *Austenite, *Trans-
formations, *Martensite, Ferromagnetism, Steel,
Welds, *Magnetometers, *Temperature sensitive
elements.

For the studies of $\gamma \rightarrow \alpha$ transformations, a series of
differential dilatometers were utilized for the study of
heat treatments on solid pieces. These apparatuses
(Metallurgy, TT, v. 10, no. 6) (over)

Office of Technical Services

BASIC STUDY ON SOME OF THE FORMS OF
EMBRITTLMENT OCCURRING IN WELDED JOINTS
MADE ON HIGH TENSILE STEELS. Quarterly rept.

no. 4, 1 Apr-30 Jun 64 [1963] 23p

Contract 073-61-12 RDE

Order from OTS, S.L.A., or ETC \$2.60 EURAEC-430

Trans. of a rept. from Société des Forges et Ateliers
du Creusot, Paris (France) n. d.

DESCRIPTORS: *Steel, Tensile properties, *Welds,
Brittleness.

Tests are taking place to perfect the test methods which
will enable the influence of the various additive element
impurities on the martensitic structure to be estab-
lished. Furthermore, a simplified outline is suggested
for the study of reversible temper embrittlement. A
provisional report summarizes the results obtained in
(Metallurgy--Ferrous Metals, TT, v. 11, no. 1) (over)

. TT-63-15834

I. EURAEC-430

II. European Atomic
Energy Community,
Brussels (Belgium)

Office of Technical Services

BASIC STUDY [ON] SOME OF THE FORMS OF
EMBRIITLEMENT OCCURRING IN WELDED JOINTS
MADE ON HIGH TENSILE STEEL. Quarterly rept.
no. 3, 1 Jul-30 Sep 62. [1963] 15p Contract 073-61-12
RDP

Order from OTS or SL: \$1.60

EURAEC-501

Trans. of a rept. from Société des Forges et Ateliers
du Creusot, Paris (France) n.d. (Abstract available)

DESCRIPTORS: *Steel, Tensile properties, *Welds,
Brittleness.

Studies on the perfection of test methods were devoted,
on the one hand, to the Gleeble 501 (RPI) machine which
is now installed and ready to be used, and, on the other
hand, to the impact strength tests on rods inspired by
(Metallurgy--Ferrous Metals. TT, v. 11, no. 1)(over)

TT-63-23312

- I. EURAEC-501
- II. European Atomic
Energy Community,
Brussels (Belgium)

Office of Technical Services

Study of Silicates by Means of Infrared Spectrometry. Present Results and Future Prospects, by P. Tarte.

GERMAN, per, Societe Francaise de Ceramique Bulletin
58, 1963, pp 13-34.
CSIRO/No. 6640

Sci -
July 1967

334-448

Studying Aluminous Fire-Clays with the Help of
X-Ray Diffraction and Optical Microscopy, by A
Bertrand.

FRENCH, per, Societe Francaise de Ceramique,
Bulletin, No. 58, 1963, pp 75-84.
CSIRO/No. 6641

Sci -
July 1967

334,013

Inexpensive Equipment in a Factory Laboratory,

FRENCH, per, Soc Franc Ceramique Industr Ceram, No
462, 1955, F 53.

ASLIB-GB8

Sc1

Jul 59

92,651

Compounds Resulting from Kaolin-Alkali Salt
Reactions at Temperatures Between 500 and
1000° C, by C. Jelacic.
FRENCH, per, Societe Francaise de Ceramique.
no. 64, 1964, pp. 49-56.
NTC 70-17070-11B

June 1971

Agency: HEN/Di. of Radiological Health Lib.
P.O.No. SPA-PLD-94-73

R-15916-D
23 Jan. 1973

Title: Lepre Oculaire Traitee Avec Sicces par la
Cortisone et par Une greffe de la Cornee

Author: R.Degos, J.Voisin, O.Delzant

Source: Societe Francaise de Dermatologie, Vol 59, 1952

Language: French

Instructions: Please type single space.

ASAP

Grupper, Ch., Brégeat, P. and Juge, P.
A CASE OF "NIVAQUINO"-TABAGIC[SIC] RETINOP-
ATHY IN A PATIENT AFFECTED WITH SUBACUTE
LUPUS ERYTHEMATOSUS. [1962].
Order from K-H \$10.00

K-H 10809-c

Trans. of [Société Française de Dermatologie et de
Syphiligraphie. Bulletin] 1960 [v. 67] no. 2
[p. 234-238].

DESCRIPTORS: *Tobacco, *Tuberculosis, *Skin,
*Retina, Diseases.

(Biological Sciences--Pathology, TT, v. 8, no. 4)

62-17366

- I. Grupper, C.
- II. Brégeat, P.
- III. Juge, P.
- IV. K-H-10809-c
- V. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Pouard, M.
DEHYDRATION OF COMPRESSED AIR: REMARKS.
[1963] 14p
Order from SLA \$1.60 TT-64-14080

Trans. of Societe Francaise des Electriciens,
Bulletin, 1959 [ser. 7] v. 9, no. 97, p. 28-34.

(Engineering, TT, v. 12, no. 2)

TT-64-14080

1. Pouard, M.

Office of Technical Services

Baron, M. Y.
THE PROBLEM OF COMPRESSED AIR SUPPLY TO
THE CIRCUIT BREAKERS. [1964] 24p
Order from SLA \$2.60

TT-64-14082

Trans. of Société Française des Électriciens. Bulletin,
1959 [ser. 7] v. 9, no. 97, p. 35-42.

TT-64-14082

I. Baron, M. Y.

(Engineering--Electrical, TT, v. 12, no. 2)

Office of Technical Services

Gaunard, M. R.
IDEAS ON CENTRAL AND INDIVIDUAL STATIONS OF
COMPRESSED AIR FOR PNEUMATIC CIRCUIT
BREAKERS. [1964] [8p] (figs omitted)
Order from SLA \$1.10

TT-64-14081

Trans. of Societe Francaise des Electriciens. Bulletin,
1959 [ser. 7] v. 9, no. 97, p. 43-47.

(Engineering--Electrical, TT, v. 12, no. 2)

TT-64-14081

I. Gaunard, M. R.

Office of Technical Services

Contribution of the Question of Investigating the
Quality of Steel Plant Tar. II. Report of the
Fall Convention, by A. Rosengren, 19 pp.

FRENCH, per, Soc Franc Metallurgie, 19-23 October
1958.

SIA Tr 1994

Sci - Fuels
Jul 57

50,028

Weldability of Several Carbon or alloy Steels~~x~~, by
C. Roques, H. Lejay, Ch. DuBois, P. Bastien, 6 pp.

FRENCH, Societe Francaise de Metallurgie, Oct 1958

FDD/X-3727

Sci - Chem
Sep 59

Systematic Study of Thin Pressed Steel
Parts, by C. Uaillet.
FRENCH, per, Societe Francaise de
Metallurgie Paris, 23-25 May 1960, pp 12.
BISI 4348

Sci/1441
Sep 65

289,301

R-6048-D
15 Oct 65

Action of Chlorpromazine (CPZ) on Experimental
Infection of Mice with P. Pestis (Vaccinal EV Strain)

By: J. Gallut & G. Girard

From: SOCIETE FRANCAISE DE MICROBIOLOGIE

1000: 672-76, 1961

(5 pp)

French - est for wis/

Type an original copy only. Document can be cut.

Chromogenic Property of *Malleomyces*
Pseudomallei, by E. R. Brygoo, C. Richard,
4 pp.

FRENCH, per, Soc Fr de Microbiol Inst
Pasteur, pp 822-825.

*Dept of Navy/NMC

Sci-B&M
Jun 66

Chatelain, Pierre.

DETERMINATION OF THE ORIENTATION FACTOR
IN LIQUID MONOCRYSTALS OF THE NEMATIC
TYPE FROM THE VALUES OF THE INDICES.

[1961] 4p. 2 refs.

Order from SLA \$1.10

61-18827

Trans. of Société Française de Minéralogie et de
Cristallographie. Bulletin [1954] v. 77 [no. 4/6]
p. 262-266.

DESCRIPTORS: *Single crystals, Determination,
Liquids, Molecular structure, Temperature, Phase
studies, Solids, Electromagnetic theory, Spheres,
Polarization, *Solid state physics.

The theoretical interpretation of the values of the
ordinary and extraordinary indices of liquid crystals
show that, in spite of thermal agitation, two mole-

(Physics - Solid State, TT, v. 7, no. 5)

(over)

61-18827

1. Chatelain, P.

Office of Technical Services

Projection in Binocular Vision: D'Aguillon's
Ideas on the Horopter (1913), by Polliot. 16 pp.
FRENCH, per, Societe Francaise d'Ophtalmologie.
Bulletin et Memoires, Vol 39, 1926, pp 51-60.
SLA TT-61-14365

Sci/B&M
Jul 66

303,821

Occurrence of the Genus Hemigordius (?) in the
Triassic of Lorraine, by G. Aurouze, L. Yapaud-
jian, 3 pp.

FRENCH, per, Soc Geologique de France, Compte
Rend Sommaire des Seances, 1957, No 14,
pp 322-325.

ATS-34K28F

Sci - Geophys
QST I, 12
Jul 59

92, 270

62-24599

STUDIES ON INDUCED VIBRATION AND PRESSURE
DROP IN TUBE BUNDLES. Quarterly rept. no. 1
(4th. quarter 1960) on Contract [EURATOM 025-60-10
RDF]. 26 Jan 61, 19p. Supersedes TID-12473.
Order from OTS or SLA \$1.60 EURAEC-50

Trans. of rept. from Societe Grenobloise d'Etudes et
d'Applications Hydrauliques (France) 1960.

DESCRIPTORS: *Hydraulic models, *Pipes, Mechani-
cal properties, Vibration, Pressure, Fluid flow, Steel.

(Mechanics--Hydraulics, TT, v. 8, no. 8)

- I. EURAEC-50
- II. TID-12473 superseded
- III. EURATOM (Belgium)

Office of Technical Services

Evaluation of the Plain of Vientiane, by J. Marinet,
J. Seguy, et al.

FRENCH, bk, Societe Grenobloise d'Etudes et
d'Applications Hydrauliques, 1961.

*Dept of Interior

FE - China
Geog
Jul 63

Leon, P.

[RESEARCH] ON VIBRATIONS AND PRESSURE
LOSSES IN NESTS OF TUBES (Etude sur les Vibra-
tions et les Pertes de Charge dans les Faisceaux
Tubulaires), Preliminary theoretical Study; Special rept.
no. 1 on Contract 025-60-10 RDF. [1962] 160p.
(foreign text included). SOGREAH R-7884.
Order from OTS or SLA \$11.50

EURAE-160

Trans. of a rept. from Société Grenobloise d'Etude et
d'Applications Hydrauliques (France) n. d.

DESCRIPTORS: *Heat exchangers, Fuel rods, *Pipes,
Cylindrical bodies, Vibration, Pressure, *Fluid flow,
Vortices.

Contents:

Phenomena observed on the downstream side of a
generated cylinder immersed in a flow
(Nuclear Physics--Nuclear Engineering, TT, v. 9, no. 4)
(over)

63-13142

- I. Leon, P.
- II. SOGREAH R-7884
- III. EURAE-160
- IV. EURATOM (Belgium)

Office of Technical Services

63-13141

RESEARCH ON VIBRATIONS AND HEAD LOSSES IN-
SIDE TUBE BUNDLES. Quarterly rept. no. 2,
Jan-Mar 61, on [Contract 025-60-10 RDF]. [1962] 5p.
Order from OTS or SLA \$1.10 EURAEC-106

Trans. of a rept. from Société Grenobloise d'Étude et
d'Applications Hydrauliques (France) 24 Apr 61.

DESCRIPTORS: *Hydraulic models, Cylindrical bodies,
Vibration, Deflection, *Hydraulic research, Tests.

(See also EURAEC-177)

(Mechanics--Hydraulics, TT, v. 9, no. 3)

- I. EURAEC-106
- II. EURATOM (Belgium)

Office of Technical Services

63-15064

RESEARCH ON VIBRATIONS AND HEAD LOSSES IN-
SIDE TUBE BUNDLES. Quarterly rept. 5 Oct-Dec 61,
on Contract 025-60-10 RDF. [1962] 12p.
Order from OTS or SLA \$1.60

EURAEC-223

Trans. of a rept. from Société Grenobleise d'Étude et
d'Applications Hydrauliques (France) Jan 62.

DESCRIPTORS: *Hydraulic models, Cylindrical bodies,
Vibration, *Hydraulic research, Tests, Fluid flow.

Tests were carried out on a hydraulic mock-up. Under
flow at right angle: on a cylindrical brass rod (0.6 cm
diameter-29.5 cm length), fixed at one end and free at
the other. The vibrations of this rod were monitored
with reference to the rate of flow which varied from 40
to 150 cm per sec. The main vibration takes place in a
plane at right angle to the flow. Its frequency and
amplitude varies with the velocity. The amplitude
(Chemistry--Physical, TT, v. 10, no. 4) (over)

I. EURAEC-223
II. EURATOM (Belgium)

Office of Technical Services

63-13130

[RESEARCH ON] VIBRATIONS AND LOAD LOSSES IN
TUBULAR CLUSTERS. Special rept. no. 2,
Mar-Nov 61. [1962] 115p. SOGREAH R-8107.
Order from OTS or SLA \$9.60 EURAEC-286

I. SOGREAH R-8107
II. EURAEC-286
III. EURATOM (Belgium)

Trans. of a rept. from Societe Grenobloise d'Etude
et d'Applications Hydrauliques (France) Jan 62.

DESCRIPTORS: *Hydraulic models, Cylindrical bodies,
Rods, Girders, Elasticity, Vibration, *Mechanical
waves, Load distribution, Hydraulic fluids, Fluid flow,
Vortices, Harmonic analysis, Differential equations,
*Hydraulic research.

Contents:
Theoretical considerations - Calculation of the fre-
quency in air and in water

(Mechanics--Hydraulics, TT, v. 9, no. 7) (over)

Office of Technical Services

62-32027

RESEARCH [ON] VIBRATIONS AND LOAD LOSSES IN
TUBULAR CLUSTERS. Quarterly rept. no. 3 (second
quarter 1961) on Contract 025. 60. 10 RDP. [1962] 9p.
Order from OTS or SLA \$1. 10 EURAEC-159

Trans. of a rept. from Société Grenobloise d'Étude et
d'Applications Hydrauliques (France) 25 July 61.

DESCRIPTORS: *Hydraulic models, Cylindrical bodies,
Vibration, Load distribution, Vortices, *Hydraulic
research.

(See also EURAEC-288)

(Mechanics--Hydraulics, TT, v. 9, no. 3)

- I. EURAEC-159
- II. EURATOM (Belgium)

Office of Technical Services

63-15072

[RESEARCH ON] VIBRATIONS AND LOAD LOSSES IN TUBULAR CLUSTERS. Quarterly rept. 6, 1 Jan-31 Mar 62, on Contract 025-60-10 RDT. [1962] 7p. Order from OTS or SLA \$1.10 EURAEC-294

I. EURAEC-294
II. EURATOM (Belgium)

Trans. of a rept. from Société Grenobloise d'Étude et d'Applications Hydrauliques (France) Apr 62.

DESCRIPTORS: *Hydraulic models, Cylindrical bodies, Vibration, Deflection, *Hydraulic research, Tests, Fluid flow.

The purpose of the work was to study the vibrations of a cluster of tubular elements, in the form of a bunch of fuel units, in a flow parallel to the axis of the cluster. This work was divided into three parts: (1) change in the hydraulic model; (2) assembly and equipment of the bunch; and (3) preliminary tests on the central element. (Mechanics--Hydraulics, TT, v. 10, no. 4) (over)

Office of Technical Services

62-32154

RESEARCH ON VIBRATIONS AND HEAD LOSSES IN-
SIDE TUBE BUNDLES. Quarterly rept. no. 4,
July-Sep 61, on Contract 025-60-10 RDF. [1962] 15p.
Order from OTS or SLA 51.60 EURAEC-177

Trans. of a rept. from Societe Grenobloise d'Etude et
d'Applications Hydrauliques (France) Oct 61.

DESCRIPTORS: *Hydraulic models, Cylindrical bodies,
Vibration, Deflection, *Hydraulic research, Tests.

(See also EURAEC-159)

(Mechanics--Hydraulics, TT, v. 9, no. 3)

I. EURAEC-177
II. EURATOM (Belgium)

Office of Technical Services

63-13137

[RESEARCH ON] VIBRATIONS AND LOAD LOSSES IN
TUBULAR CLUSTERS. Special rept. no. 3 (Nov-Dec 61),
[1962] [43]p.

Order from OTS or SLA \$4.60

EURAEC-288

Trans. of a rept. from Société Grenobloise d'Étude et
d'Applications Hydrauliques (France) Mar 62.

DESCRIPTORS: *Hydraulic models, Cylindrical bodies,
Vibration, Load distribution, Vortices, *Hydraulic
research.

(See also EURAEC-159)

(Mechanics--Hydraulics, TT, v. 9, no. 3)

- I. EURAEC-288
- II. EURATOM (Belgium)

Office of Technical Services

63-15070

[RESEARCH] ON VIBRATIONS AND LOSSES
IN TUBULAR CLUSTERS. Quarterly rept. 7, 1 Apr -
30 June 62, on Contract 083-62-1 RDF. [1962] 7p.
Order from OTS or SLA \$1.10 EURAEC-395

- I. EURAEC-395
- II. EURATOM (Belgium)

Trans. of a rept. from Societe Grenobloise d'Etude
et d'Applications Hydrauliques (France) July 62.

DESCRIPTORS: *Heat exchangers, *Reactor fuel
elements, *Hydrodynamic configurations, Fluid flow,
Velocity, Vibration, Frequency, Extensimeters.

An experimental study is made of the vibrations of a
cluster of fuel elements immersed in a flow parallel
to its axis. The cluster studied, made up of 7 tubular
elements and 6 graphite bars, was assembled and
fitted with extensometry gauges. As the flow velocity
did not reach the anticipated value (250 cm/s), be-
(Nuclear Physics--Nuclear Engineering, TT, v. 9,
no. 9)

Investigation of the Correlation Between the Maximum
Rate of Fall During Rainstorms in the Paris Region
and the Total Rainfall, by R. Grisollet, R. Johansen.

Soc. Hydraulique de France, etc.
FRENCH, rpt, ~~Hydrotechnic Society of France,~~
Journal of the third symposium on hydraulics,
Algiers, 12-14 April 1954, pp 178-181.

DSIR 34001/CT

Sci • Geophysics
Mar 59

83,309

In-Situ Measurement of Soil Permeability, by
G. Schneebeli. UNCL

FRINCH, rpt, Soc Hydrotech de France; Pluie,
Evaporation, Filtration et Ecoulement: Comptes
Rendus des Troisiemes Journees de l'Hydraulique,
Algiers, Apr 1954, pp 270-279.

DSIR 33867/CT

Sci - Engr
Mar 59

83,203

Ground Water Variations: Relations Between
Precipitation, Evaporation and Runoff, by
L. Ture. UNCL

FRENCH, rpt, Soc Hydrotech de France: Comptes
Rendus des Troisiemes Journees de l'Hydraulique,
Algiers, 1958, pp 36-44.

DSIR 33875/CT

Sci - Geophys, oceanography
Mar 59

83,198

Recent Developments in Europe - (in the Field of
Free Pistons), 6 pp.

FRENCH, rpt, Societe Industrielle Generale de
Mechanique Appliquee, 1956.

Dept of Commerce ...
Maritime Admin
Off of Prop and Sup
Div of Off Serv (Loan)

Sci - Engineering
Jun 59

89,474

Portevin, Albert.
THE MOLTEN BASALT (Le Basalte Fondu). [1963]
[88p] (foreign text included) refs
Order from SLA \$8.10

TT-64-14029

Trans. of Société des Ingénieurs Civils [de] France.
Mémoires, 1928, p. 266-300.

TT-64-14029

I. Portevin, A.

(Materials--Ceramics, TT, v. 12, no. 1)

Office of Technical Services